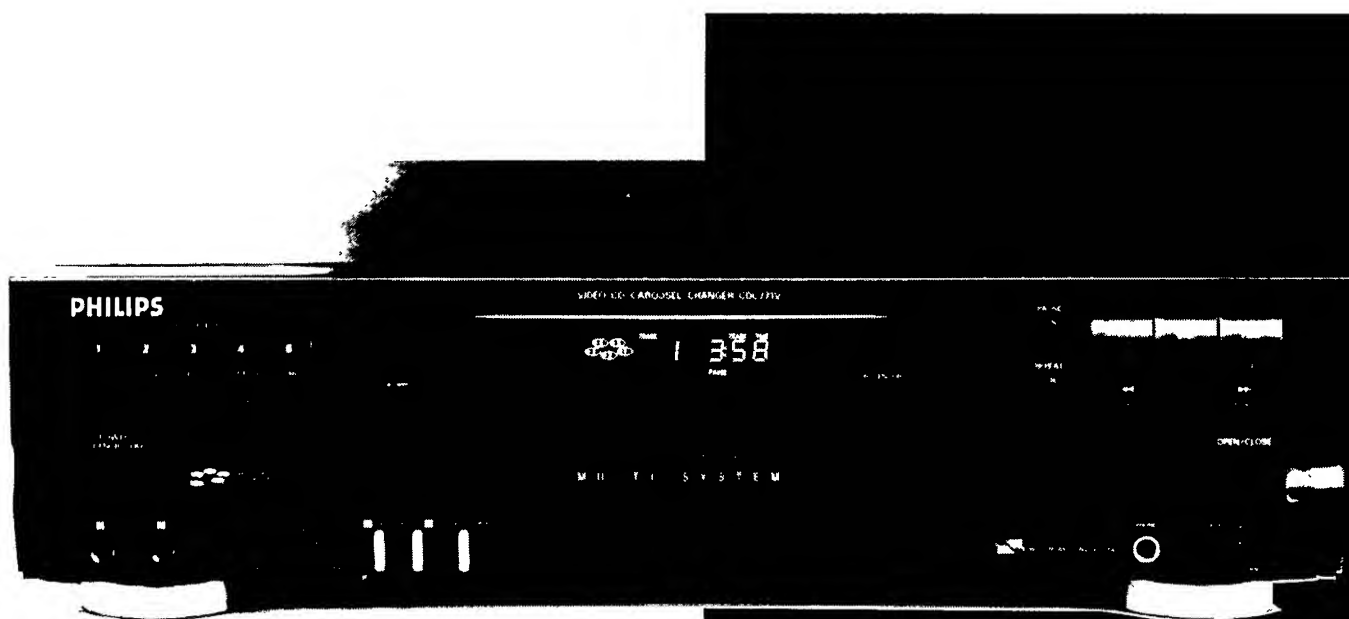


PHILIPS

CDC 771V VIDEO CD CAROUSEL CHANGER



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SAFETY PRECAUTION

Only a qualified service person should remove the cover or attempt to service this device.
Caution: Use of controls or adjustments other than those specified herein may result in hazardous radiation exposure or other unsafe operation.

CLASS1 LASER PRODUCT
KLASSE 1 LASER PRODUKT
I.H.T. IEC 825

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Thank you for selecting the Philips CDC 771V Video CD CAROUSEL CHANGER

A Compact Disc Changer of the state-of-the-art Philips 700 series, the CDC 771V combines supreme playback quality with a high degree of user-friendliness by offering the following possibilities:

- changing CDs during play;
- quick access to a particular CD by means of QUICK PLAY;
- storing 30 tracks from different CDs in any desired order in the changer memory;
- storing the required recording time and playing time in the EDIT mode.

Note!

This Video-CD player can playback the Video-CD(VCD), Audio-CD, CD-Graphics and CD-I Digital Video disc (only for the MPEG Video part).



Video CD disc contains the moving picture and high quality level of Audio. Maximum playback time is 74 min by Digital compression technology. Video CD are being used for Audio, Karaoke, Movie, Education & information etc.



CD-Graphics disc contains the Still picture and CD Audio. CD-G are being used mainly for karaoke application.

Note!

117/17 version player can not playback CD-Graphics disc.



AUDIO CD



CD-I Digital Video Disc

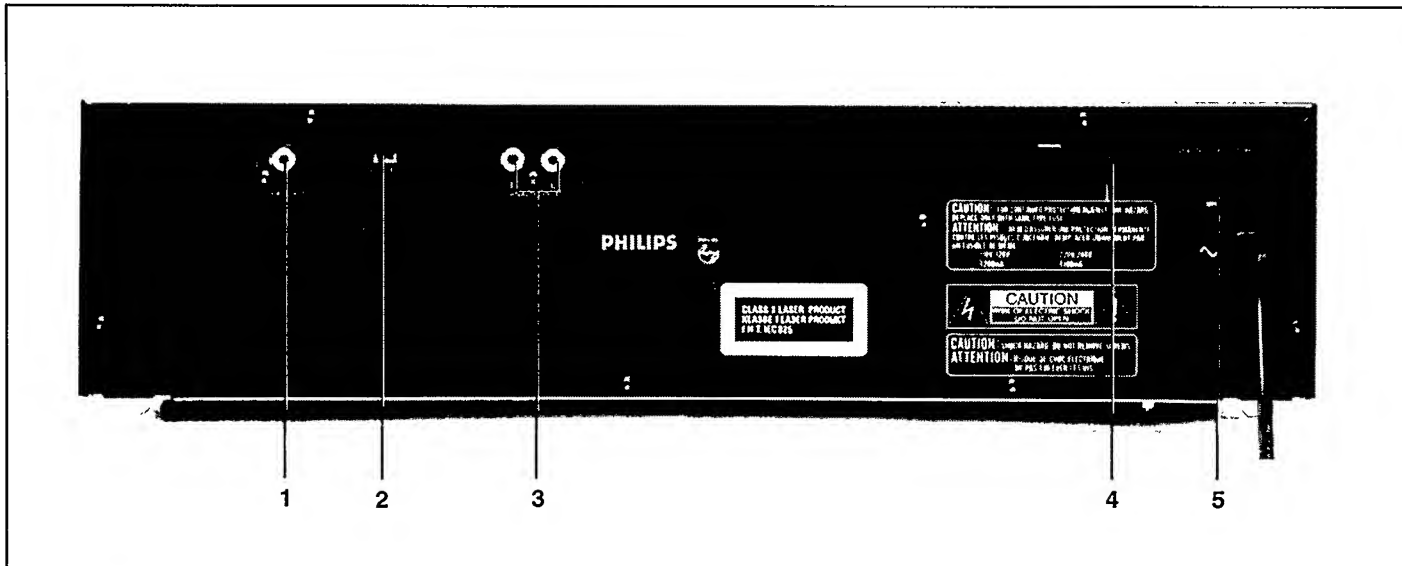
Note!

This player conforms to Ver.1.1 and Ver. 2.0 of VIDEO CD standards. You can enjoy two kinds of playback according to the discs.

Disc type	You can
VIDEO CDs without PBC play (Ver.1.1 discs)	Enjoy video playback (moving pictures) as well as music.
VIDEO CDs with PBC play (Ver.2.0 discs)	Play interactive software using menu screens displayed on the monitor screen, in addition to the video playback function of Ver. 1.1 discs.

Note!

/17 version player can not conform to CD-Graphics disc.



POWER SUPPLY SETTING

- Check that the type plate on the rear of your changer indicates the correct supply voltage.
- If your mains supply voltage is different, consult your dealer or our Service Organisation.

Certain versions of this changer are equipped with a voltage selector 5, which enables you to set the player to the correct mains voltage yourself. When changing the voltage setting, it is also necessary to change the mains fuse 4 to one of the correct rating: T250 mA (slow blow fuse) for 110/120 V, T125mA (slow blow fuse) for 220/240V.

SITTING THE COMPACT DISC CHANGER

Free standing

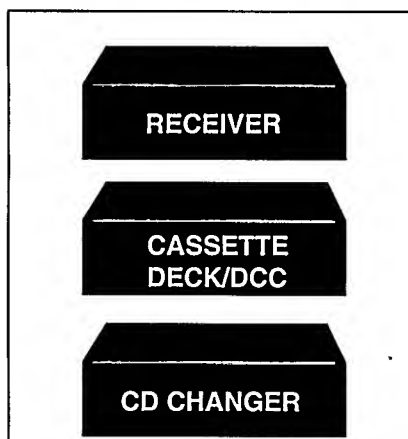
- Always position the changer horizontally on a flat, firm surface.
- Allow a free space of at least 3 cm above the changer so as not to interfere with the cooling of the changer.

In an audio rack

- The changer can be sited in any desired position.

Stacked

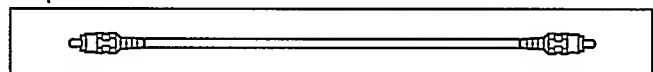
- Site the changer preferably at the bottom or at the top.
- Never position the changer directly on top of a high-power amplifier, as such an amplifier gives off a substantial amount of heat.



CONNECTIONS

1 VIDEO OUT

For connecting to the Video terminal of the TV, VCR, or AV amplifier.



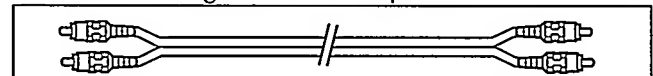
Never connect this jack to the Audio input/output or Digital input/output.

2 NTSC/PAL

Set the color TV system switch to the proper position, NTSC or PAL, according to your TV. Make sure only to change the setting when the changer is in the power off.

3 ANALOG OUT

For the connecting to the TV or amplifier.



- Insert a red plug into the 'R' socket and the other plug into the 'L' socket.
- Insert the two other plugs into the corresponding sockets of the CD or AUX input of your amplifier. You can also use the TUNER or TAPE IN connection, but **never** the PHONO input!

4 Mains fuse holder (*not all versions*)

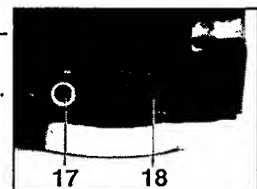
See 'POWER SUPPLY SETTING'.

5 Voltage selector (*not all versions*)

See 'POWER SUPPLY SETTING'.

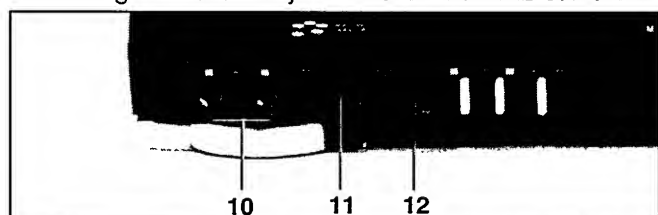
CONNECTING HEADPHONES

- Connect headphones with a 6.3 mm plug to the PHONES socket 17.
- The sound level is adjusted with the LEVEL control 18.



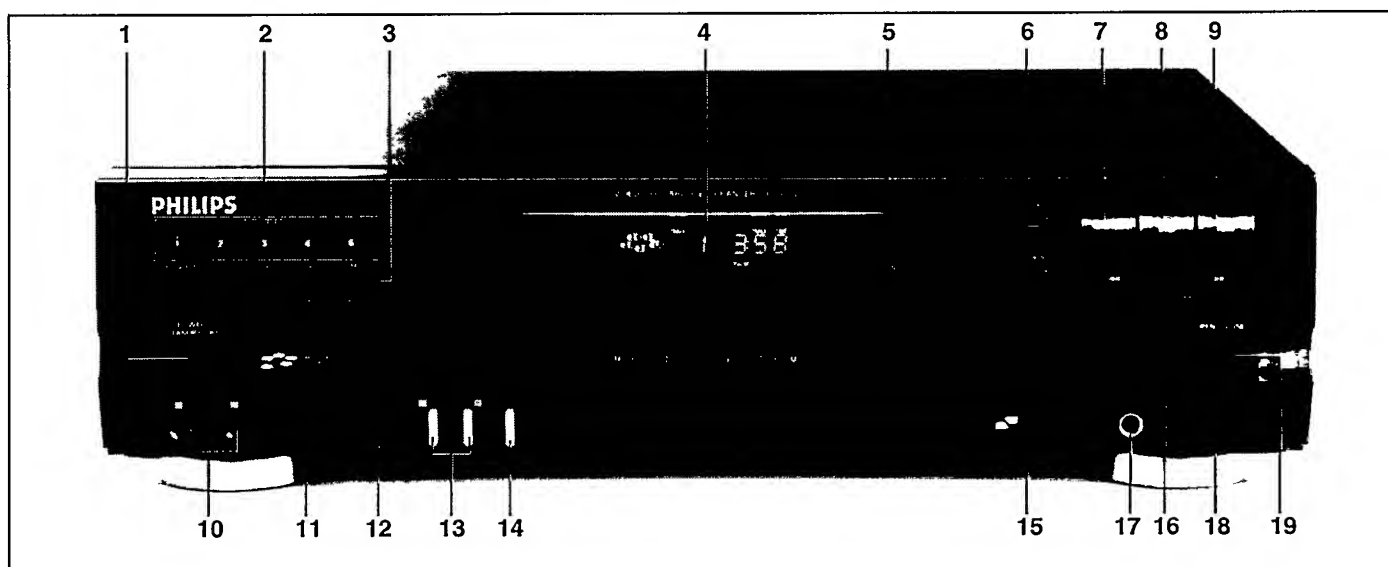
CONNECTING MICROPHONES

- Connect the microphone(s) with a 6.3 mm plug to the MIC jack 10.
- The microphone level is adjusted with the MIC LEVEL 11.
- The strength of echo is adjusted with the DIGITAL ECHO 12.



FUNCTION OVERVIEW

English



FRONT OF CHANGER

1 POWER

Switching on and off.

2 DISC SELECT

- Selecting another CD during play.
- Selecting a CD to start play with.
- Selecting CDs when compiling a program.

3a PROGRAM

Opening and storing the memory when compiling a program.

b SCAN

Automatically playing the beginning of each track

MENU-

Decreasing item number in the menu PBC.

c EDIT

Activating the EDIT function when making a tape recording.

MENU +

Increasing item number in the menu of PBC.

d P(eak)-SEARCH

Searching the loudest passage (peak) on a disc or in a program when making a tape recording (only for Audio CD/ CD-Graphics).

RETURN

Going back to the preceding menu of PBC.

e TIME

Selecting the information you want to see on the display.

4 Display

Informs you about the functioning of the player.

5 I(nfra) R(ed) SENSOR

Receives the signals from the remote control.

6 PAUSE II

Interrupting play and the picture is frozen except Audio CD.

7 SHUFFLE

Playing in random order.

8 STOP ■

- Stopping play.
- Erasing a programme.

9 PLAY ►

- Starting play
- Returning to the beginning of a track.

SELECT

Selecting the desired item in the menu of PBC.

10 MIC

Connecting microphones.

11 MIC LEVEL

Adjusting the microphones volume.

12 DIGITAL ECHO

Adjusting the strength of echo.

13 KEY CONTROL

Changing the key to suit your vocal range.

14 V(ocal)-FADER/MPX (multiplex)

Selecting audio mode for playing Karaoke.

15 REPEAT

Repeating play.

16 ◀▶▶▶

- Selecting another track during play.
- Selecting a track to start play with.
- Selecting tracks when compiling a programme.
- Fast search to a particular passage during play.
- Selecting the recording mode when making a tape recording.
- Selecting the recording time when making a tape recording

PREV/NEXT

- Seeing the preceding page of the menu of PBC.
- Seeing the next page of the menu of PBC

17 PHONES

Connecting headphones.

18 LEVEL

Adjusting the volume when listening with headphones.

19 OPEN/CLOSE

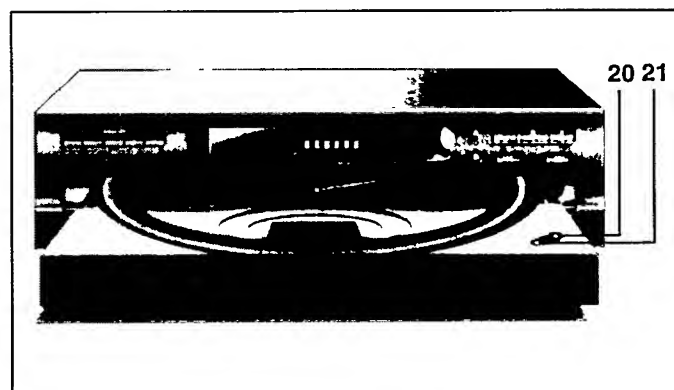
Opening and closing the CD compartment.

20 QUICK PLAY

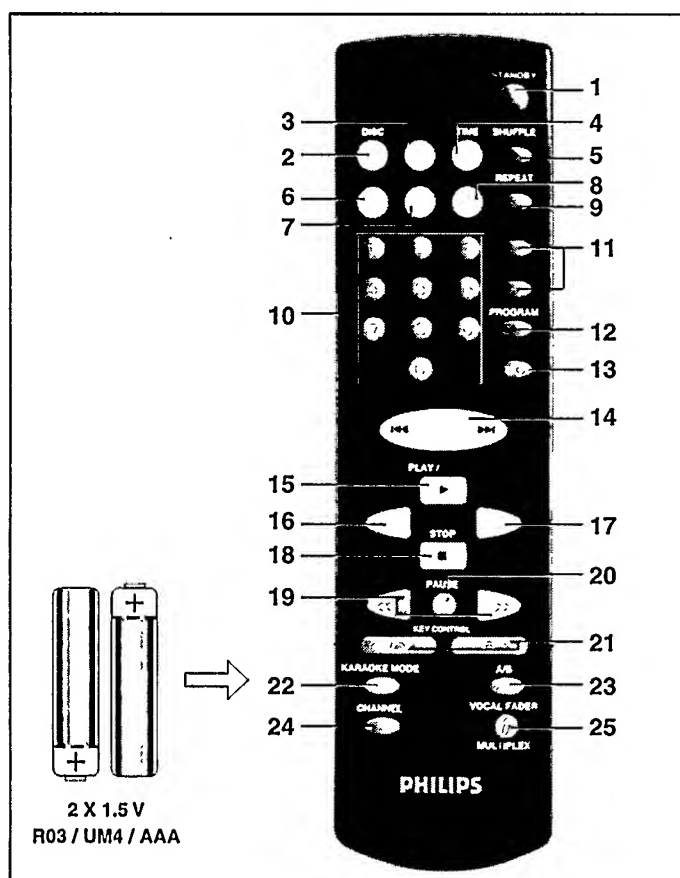
Immediate playing of a particular CD.

21 LOAD

Rotating the turntable in the CD compartment when inserting CDs.



REMOTE CONTROL



1 STANDBY

Switching the changer to standby mode.

2 DISC

- Selecting another CD during play.
- Selecting a CD to start play with.
- Selecting CDs when compiling a program or when reserving a program in Karaoke mode.

3 PBC (Playback Control)

Selecting playback with PBC or playback without PBC.

4 TIME

Selecting the time information you want to see.

5 SHUFFLE

Playing in random order.

6 SHUTTER

Playing still picture in succession without sound.

7 SCENE [PBC]

Playing start with designated scene number.

8 OSD (On Screen Display)

Switching the OSD on and off, and display off the scene number when playback with PBC.

9 REPEAT

Repeating play.

10 0-9 digit keys

- Selecting another track during play.
- Selecting a track to start play with.
- Entering a scene number when playing start with the scene number.
- Selecting tracks when reserving a program in Karaoke mode.

11 INDEX

Selecting an index during play (only for indexed discs).

12 PROGRAM

Opening and storing the memory for compiling a program.

13 RETURN () [PBC]

Opening and storing the memory for compiling a program.

14

- Selecting another track during play.
- Selecting a track to start play with.
- Selecting tracks when compiling a program.
- Cancelling the previous reserved track when reserving a Karaoke program in stop mode.

PREV [PBC]

Seeing the preceding page of the menu.

- Selecting another track during play.
- Selecting a track to start play with.
- Selecting tracks when compiling a program.
- Canceling current playing track during Karaoke play.

NEXT [PBC]

Seeing the next page of the menu.

15 ► PLAY

- Starting play.
- Restarting current track during play.

SELECT [PBC]

Selecting the desired item in the menu.

16 RESUME

Playing from where you have stopped:
If you stop CD play by pressing the STOP ■ button, always the last played position will be stored.

NOTE!

- In case you rotate the turntable or turn the power off, the information about the position last played gets lost.
- Resume play does not conform to CD-I discs.

17 SLOW

Playing in slow motion without sound.

NOTE!

Slow motion does not conform to CD-I discs and Audio discs.

18 ■ STOP

- Stopping play.
- Erasing a program.

19 ◀▶

Fast search to a particular passage during play.

20 || PAUSE

Interrupting play and the picture is frozen except Audio CD.

21 KEY CONTROL b

Changing the key to suit your vocal range.

FUNCTION OVERVIEW

English

22 KARAOKE MODE

Selecting Karaoke mode or normal mode.

23 A/B

Playing repeatedly a desired passage.

24 CHANNEL

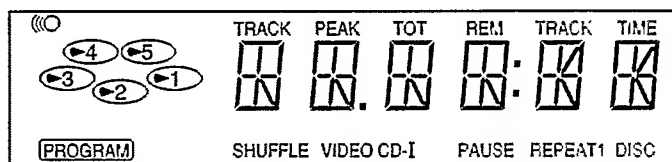
This function does not work for this changer.

25 VOCAL FADER/MULTIPLEX

Selecting audio mode for playing Karaoke.

The life of the batteries of the remote control is around one year.
For replacement only use batteries of the type R03, UM3 or AAA.

DISPLAY



(○) – Lights up when the changer receives a command from the remote control, and the changer is at STANDBY mode.

1-5 CD number indicator

- Lights up when you switch the changer on.
- Indicates the number of CDs in the CD compartment.
- Indicates what CD is being played (CD number flashes).

PROGRAM

- Flashes when a programme is being compiled.
- Lights up when a programme is being played.

TRACK -Indicates:

- Which track is being played;
- the number of tracks on a CD or in a programme.

PEAK

- Flashes when the loudest passage (peak) on a CD or in a programme is being searched.
- Lights up when the loudest passage (peak) has been found.

TRACK TIME – Indicates the elapsed playing time of the track being played.

REM(aining) TRACK TIME – Indicates the remaining playing time of the track being played.

TOT(al) REM(aining) TIME – Indicates the remaining playing time of a CD.

TOT(al) TIME – Indicates the total playing time of a CD

SHUFFLE – Lights up when the tracks are played in random order.

VIDEO CD – Lights up when a video CD is being played

CD-I – Lights up when a CD-I disc is being played.

PAUSE – Play is interrupted.

REPEAT 1 – Lights up when you repeat a track.

REPEAT DISC – Lights up when you repeat a CD.

REPEAT – Lights up when you repeat all CDs or a programme from them.

Display messages:

PBC – Lights up when the changer plays video CD with PBC.

READ – Lights up when a CD's contents list is being scanned.

NO DISC – Lights up when there are no CDs in the CD compartment.

NOT POSSIBLE – Lights up when insert an incorrect CD (CD-ROM).

WRONG TRACK – Lights up when you select a non-existent track number.

WRONG DISC – Lights up when you select a non-existent CD number.

SELECT DISC – Lights up when you try to activate a function for which you must first select a CD number.

INSERT DISC – Lights up when you give a play command while the CD compartment is empty.

GO TO PLAY – Lights up if you try to activate a function for which you must first start play.

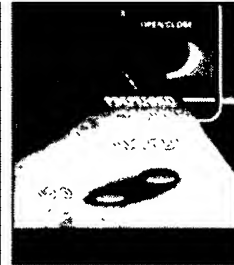
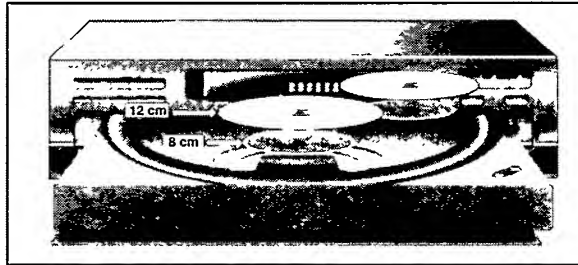
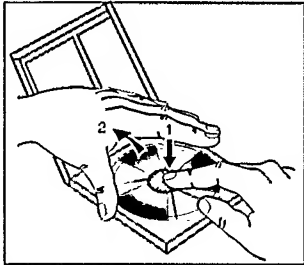
GO TO STOP – Lights up if you try to activate a function for which you must first stop play.

EDIT – Lights up when the changer is put into the EDIT mode.

INSERTING THE CDs

NOTES! On CD-I discs, the changer activate only "NORMAL PLAYBACK" and "SEARCHING FOR A PASSAGE DURING PLAY" in following explanation.

- Press POWER1 to switch the changer on
- The changer will now start CD detection to check how many CDs there are in the CD compartment. The turntable will rotate slowly until all positions (1-5) in the CD compartment have been checked.
- The position which is being checked is always shown on the display **DISC X**.
- After CD detection the 1-5 CD number indicator will show the number of CDs in the CD compartment.
- Open the CD compartment by pressing OPEN/CLOSE 19.
- OPEN lights up.
- Insert an audio CD, or Video CD or CD-G, **printed side up**, use the LOAD button 21 to rotate the turntable in the CD compartment.



- Close the compartment by pressing OPEN/CLOSE 19.
- CLOSE lights up. The changer will start CD detection again.

NOTES!

- CD detection may *never* be interrupted. If, during detection, you press any button, then the changer will stop detection and the display will give an incorrect indication of the number of CDs in the CD compartment.
- **Always** remove all CDs from the CD compartment if you want to transport the changer.

When the Video CD disc with PBC operation is played the operation of the "Menu Play" & "Still Picture" can be pleasure. The "Menu Play" is the interactive operation displaying the information on the Monitor Screen.

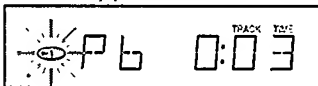
Playing a Video CD with PBC:

Following are operations for Video CD with PBC disc. The player detects PBC disc, then change to "MENU play" automatically. If you wish normal (continuous) play with PBC disc, press PBC, KARAOKE, STANDBY, DISC, to cancel the PBC mode.

To resume playback with PBC, press PBC key of the remote control.

- Turn on the TV and select the video input. Insert a Video CD with PBC disc, printed side up.
- The display shows the number of the current CD.

- Press PLAY ► 9 to start Video CD play and the menu screen appears on the TV screen.



- Select the desired item in the menu screen with DSC • MENU+3c and MENU-3b then press SELECT 9 or with numeric keys of the remote control. Adjust the volume on the TV.

NOTE!

Menu structure depends on Video CD software. Refer to the instructions supplied with the disc.

The other menu control:

- You can see the next page of the menu by pressing NEXT 16.
- You can see the preceding page of the menu by pressing PREV 16.
- You can go back to the preceding menu by pressing RETURN 3d shortly or by pressing ♂ RETURN 13 on the remote control.

SEARCHING FOR PARTICULAR SCENE (SCENE)

The scene number are encoded on Video CD with PBC disc, you can check the scene number by using OSD full information mode.

If you remember the number of particular scene, you can play the Video CD start with the scene. (scene search)

- Press SCENE 7 on the remote control before or during playback.
- Then enter the scene number by using 0-9 digit keys 10 of the remote control.
- Press ► PLAY 15 of the remote control, play starts from the entered scene.

NOTES!

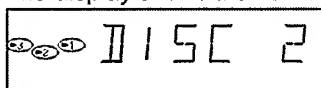
- On some discs, prohibited to start with specific scene. In this case the changer refuses the entering scene number.
- When there is no change in the display state (of a menu screen, etc.) for 10 minutes, display is automatically turned off (switched to a blue background) to prevent image burn-in due to prolonged display of an unchanging image.

PLAYBACK (PLAY ►)

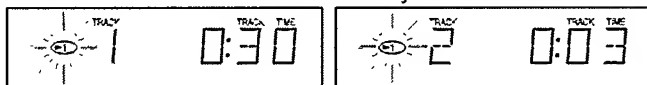
English

PLAYING A NORMAL PLAYBACK (PLAY ►)

- The display shows the number of the current CD.



- Press PLAY ► 9 to start playback.
- **REPEAT** lights up and play starts from the first available CD.
- The CD number indicator (1-5) always shows what CD is being played (► X flashes).
- The track being played and its elapsed playing time are shown under TRACK and TRACK TIME. See 'CALLING UP INFORMATION ON THE DISPLAY' if you wish to see other information on the display.



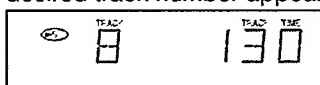
- Play will stop after all CDs have been played.
- Press POWER 1 to switch the changer off.

NOTES!

- You can also press PLAY ► 9 immediately after inserting the CDs; the compartment then closes automatically and play starts from the first available CD.
- Use the PREFERRED POSITION in the CD compartment if you wish to insert only one CD and then start play by pressing the QUICK PLAY button 15. Play will then start immediately with the inserted CD.
- You can interrupt playback by pressing PAUSE ■ 6, PAUSE then lights up. Press PLAY ► or PAUSE ■ to restart.
- If you press QUICK PLAY ► during play, the current track will start again from the beginning.
- You can stop playback by pressing STOP ■ 8.
- If you press OPEN/CLOSE 19 during play, the CD compartment will open while play continues. The three CDs outside the changer may now be changed without playback being interrupted.

SELECTING ANOTHER TRACK DURING PLAY (◀◀▶▶)

- Press ▶▶ or ◀◀ 14 (less than 0.5 seconds) until the desired track number appears under TRACK.



- The music stops and a moment later the selected track begins to play.

WRONG TRACK Lights up when you select a non-existent track number. You can also select the track by using the ◀◀▶▶ 14 button on the remote control.

SELECTING ANOTHER CD DURING PLAY (DISC SELECT)

- Key in the desired CD number.
- The music stops and a moment later the selected CD begins to play.

WRONG DISC lights up if you select a non-existent number. You can also select the number by using the DISC button 2 on the remote control.

SEARCHING FOR A PASSAGE DURING PLAY (◀◀▶▶)

- Hold ◀◀ 14 down to search backwards to the beginning.
- Hold ▶▶ 14 down to search forwards to the end.

The searching speed is determined by how long a key is pressed:

- the first 2 seconds fairly slowly, with sound;
 - then at the maximum speed, with no sound.
- If you reach the end of the last track and release ▶▶, play will resume a few seconds before the end of the CD. You can search for a passage by using the ◀◀▶▶ 19 button on the remote control.

SEARCHING FOR A PASSAGE USING AN INDEX +/-

You can locate a particular point in a track during play. (only for indexed discs).

- Press INDEX +/- repeatedly, until you find the point during play.

NOTE!

Index is a number that divides a track or a disc into some sections.

STARTING WITH A PARTICULAR CD (DISC SELECT)

- Key in the required CD number.
- If the CD compartment was open, it will now close.
- Play starts from the selected CD.

WRONG DISC lights up if you select a non-existent number. You can also select the number by using the DISC button 2 on the remote control.

STARTING WITH A PARTICULAR TRACK (DISC SELECT, ◀◀▶▶ and PLAY ►)

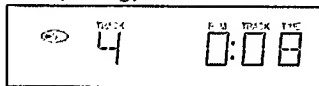
- First select the number of the required CD using DISC SELECT 2 or DISC 2 on the remote control.
- If the CD compartment was open, it will now close.
- Then select the (track) number by using ▶▶ or ◀◀ 14 (press less than 0.5 seconds).
- Press PLAY ► 9.
- Play starts from the selected track.

WRONG TRACK lights up when you select a non-existent track number.

SCANNING CDs (SCAN)

All CDs:

- Press SCAN **3b** before or during play.
- If the CD compartment was open, it will now close.
- SCAN lights up and the first 10 seconds of each track are played in turn (starting from the current track). 10 seconds are counted down each time under REM(aining) TRACK TIME.



- When the player reaches a track which you wish to hear in full, press SCAN again or PLAY ► **9**.

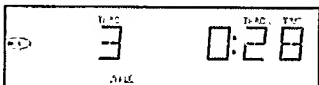
One CD:

- The CD-player should be in position STOP.
- Select the number of the required CD using DISC SELECT **2** or DISC **2** (on the remote control).
- Press SCAN **3b**, within the time the CD number is flashing on the display.
- Now only the first 10 seconds of each track on the selected CD will be played in turn.

PLAYING IN RANDOM ORDER (SHUFFLE)

All CDs:

- Press SHUFFLE **7** before or during play.
- If the CD compartment was open, it will now close.
- SHUFFLE lights up and all the tracks are now played in a random order.



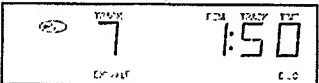
- If you press ►► **16**, you will select any one of the following tracks.
- Press SHUFFLE again if you wish to return to normal play.

NOTE!

If, during play, you open the CD compartment to change CDs (see "NORMAL PLAYBACK") then playback in random order will be cancelled. Playback will stop as soon as the last track of the current CD has been played (in-normal order).

One CD:

- The CD-player should be in position STOP.
- Select the number of the required CD using DISC SELECT **2** or DISC **2** (on the remote control).
- Press SHUFFLE **7**, within the time the CD number is flashing on the display.
- DISC and SHUFFLE light up; the tracks of the selected CD will now be played in a random order.



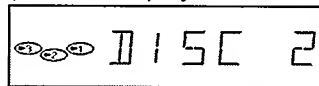
- If you press ►► **16**, you will select any one of the following tracks.
- If you press REPEAT **15** twice, the tracks will be repeated in a different order each time, although the first track will always be the same.
- When all tracks of the selected CD have been played, playback stops.
- Press SHUFFLE again if you wish to return to normal play.

CALLING UP INFORMATION ON THE DISPLAY (TIME)

In STOP mode:

Text display

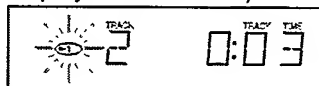
- After loading the CDs and closing the CD compartment, the display shows the number of the CD to be played (=default display in STOP mode).



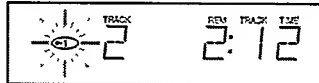
During play:

1. Time display

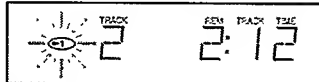
- When you start play (from STOP mode), the display shows the elapsed playing time of the current track (=default display in PLAY mode).



- Press TIME **3e** whenever you want to know the remaining playing time of the current track (REM TRACK TIME).



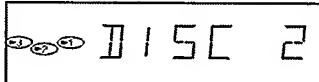
- Press TIME again if you wish to know the remaining playing time of the entire CD (TOTAL REM TIME).



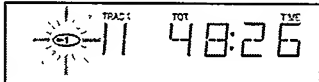
Note - TOTAL REM(aining) TIME indication is not available in SHUFFLE mode.

2. Text display

- If you press TIME again, you will switch to text display; the display shows the number of the current CD.



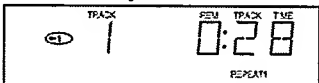
- If you wish to know the total playing time of the entire CD you must go back to STOP mode *first* and *then* press TIME.
- The display now shows the number of tracks and the total playing time of the current CD (TOTAL TIME).



REPEATING PLAY (REPEAT)

Repeating a track:

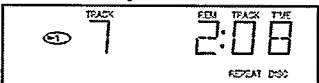
- Press REPEAT **15** before or during playback of the CD.
- REPEAT1 lights up; the track will now be repeated continuously.



- Press REPEAT *three times* to stop the track being repeated.

Repeating a CD:

- Press REPEAT **15** *twice* before or during playback of the CD.
- REPEAT DISC lights up; the CD will now be repeated continuously.



- Press REPEAT *twice* to stop the CD being repeated.

PLAYBACK (PLAY ►)

English

Repeating all CDs:

- Press REPEAT **15** *three times* before or during playback.
- REPEAT lights up; all CDs will now be repeated continuously.



- Press REPEAT again to stop the CDs being repeated.

Repeating a specific portion (A/B)

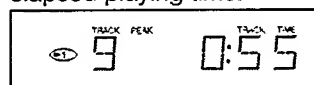
- Press A/B **23** button on the remote control during playback when you find the starting point to be played repeatedly.
- "A-" lights up.
- Press A/B button again when you find the ending point to be played repeatedly with in the track. (If reach the end of track, the starting point is cancelled.)
- "REPEAT" and "A-B" lights up; the portion will now be repeated continuously.
- Press A/B or ► PLAY **15** or ■ STOP **18** to cancel the portion being repeated.

NOTES!

- A/B repeat is not activated in Karaoke mode.
- Repeating a track is not possible in SHUFFLE mode or when a programme is being stored.
- When a programme has been stored (for one or more CDs), then only the programme will be repeated.

SEARCHING THE LOUDEST PASSAGE (PEAK SEARCH) only for Audio CD/CD-G

- In STOP mode, press PEAK SEARCH **3d**.
- SELECT **IIISC** lights up and PEAK starts flashing.
- Select the number of the required CD using DISC SELECT **2** or DISC **2** (on the remote control).
- The CD will now be scanned for the loudest passage (the peak).
- The display shows the track being scanned and its elapsed playing time.



- When the loudest passage has been found it will be repeated continuously (from 2 seconds before the peak until 2 seconds after the peak) and PEAK lights up.
- You can now adjust the recording level on your recording device.
- You can stop the scan by pressing STOP ■ **8**; if you press PLAY ► **9**, the CD will be played from the beginning

NOTES!

- When searching for the loudest passage in a programme (from one or more CDs) there is no need to enter the CD number(s).
- If you wish to record tracks from different CDs you have to repeat peak search for each CD.
- You can interrupt PEAK SEARCH by pressing STOP ■ **8**.

STORING A PROGRAMME (PROGRAM)

- By programming the changer you can play up to 30 tracks in any required sequence.
- **FULL** lights up if you exceed the maximum of 30 tracks.
- **WRONG DISC** lights up if you select a non-existent CD number.
- In STOP mode, press PROGRAM **3a** to open the memory.
- **SELECT DISC** lights up and **PROGRAM** start flashing.
- Select the number of the first required CD using DISC SELECT **2** or DISC **2** (on the remote control).
- Press **▶▶ 16** or **◀◀ 16** (*less than 0.5 seconds*) until the first track number you wish to programme appears under TRACK.
- Press PROGRAM **3a** again



- The track number has now been stored in the changers memory.
- Select the other track numbers required and store each track by pressing PROGRAM.
- The number of tracks and the playing time of your programme will be shown under TRACK and TOT(al) TIME.
- Press STOP **■** to quit the PROGRAM mode.

PLAYING THE PROGRAMME (PLAY ▶)

- Press PLAY **▶ 9**.
- Playback starts with the first number of the programme.

The PROGRAM **3a** and EDIT **3c** buttons *cannot* be used during programmed play.
Search for a particular passage is only possible within the track being played.

ERASING A PROGRAMME (STOP ■ or OPEN/CLOSE)

In PLAY mode:

- Press OPEN/CLOSE **19** or STOP **■ 8** (*twice*).

In STOP mode:

- Press OPEN/CLOSE **19** or STOP **■ 8**.

- The programme has now been erased.

The EDIT function has two recording modes in which you can store the recording time of the tape in the changer memory

EDIT NORMAL - The changer will determine which tracks fit on each side of the tape and will stop after the last track. The tracks will be recorded in the order in which they appear on the CD(s).

EDIT OPTIMAL - The changer now calculates the combination of tracks that will optimize the use of available recording time.

NOTE!

- The EDIT function cannot be used for CDs containing more than 30 tracks.

BEFORE RECORDING

Preparation:

- A programme to be recorded, must be stored in advance. See 'PROGRAMMING'.
- If required you can search the loudest passage and adjust your recording device. See 'SEARCHING THE LOUDEST PASSAGE (PEAK SEARCH)'. This can also be done *after* selecting the recording mode and the recording time. See below.
- Press EDIT **3c** to activate the EDIT mode.
- **EDIT** lights up and **SELECT DISC** appears on the display.
- Select the number of the required CD using DISC SELECT **2** or DISC **2** (on the remote control). When recording a programme there is no need to enter the CD number(s).

Selecting the recording mode:

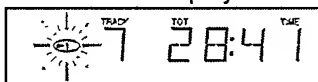
- The display shows **EDIT** (=EDIT NORMAL which is the default setting).
- With **◀▶▶▶ 14** you can now select OPT(imal), CANCEL or EDIT (NORMAL) again.
- The display shows **OPT (imal)**, **CANCEL** or **EDIT** again.
- Press EDIT **3c** to store the required recording mode (NORMAL or OPTimal). If you select CANCEL, the EDIT mode will be cancelled and the changer will go back to STOP mode.
- As soon as you have stored the recording mode the display shows **C90** (default setting).

Selecting the recording time:

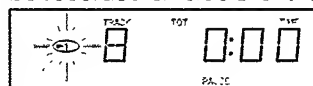
- As soon as you have stored the recording mode the display shows **C90** (default setting).
- With **◀▶▶▶ 14** you can now select the required recording time: **C 100, C 105, C 120, C30, C45, C60, C75, or C90**. In EDIT NORMAL mode the recording time must be at least equal to the playing time of the first track on the first CD or in the programme. In EDIT OPTimal mode the recording time must be at least equal to the playing time of the shortest track on the CD(s) or in the programme.
- **NOT POSSIBLE** lights up if you select a 'wrong' time.
- Press EDIT **3c** to store the required recording time.
- The CD changer will now go back to STOP mode.
- You can now record the CD or the programme.

RECORDING

- Press PLAY **▶ 9**.
- Playback starts with the selected CD (or with the first track of the programme).
- The display shows the elapsed playing time of the current track.
- Press TIME **3e** to switch to other time display information.
- The number of tracks for side A and their playing time are shown on the display.



- After the last track that fits on side A of the tape, the CD changer will go into PAUSE mode.
- **PAUSE** lights up.
- Under TRACK you will see the number of the first track to be recorded on side B of the tape.



- Turn the tape over or select the tape travel direction for side B.
- Press PLAY **▶ 9**.
- The remaining tracks will now be played.
- After the last track play will stop; **EDIT CANCELED** lights up.

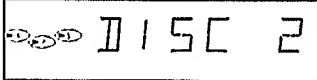
NOTES!

- As soon as you press PLAY **▶ 9** the other changer functions will temporarily be switched off to prevent the recording being interfered with; **EDIT ACTIVE** lights up if you press one of the other buttons during recording.
- You can quit the EDIT mode by pressing STOP **■ 8** or OPEN/CLOSE **19**; **EDIT CANCELED** then lights up
- **EDIT NOT POSSIBLE** lights up if you try to record a CD containing more than 30 tracks.
- Should the CD or the programme be longer than the total recording time of the tape, play will stop after the last track that fits onto side B of the tape.
- Should the first track of the first CD or the programme be longer than one side of the tape (=the entered recording time divided by two), then **EDIT NOT POSSIBLE** will light up. You will now have to enter another recording time.
- The EDIT function will be cancelled if the CD changer (or the system) is set to STAND BY mode (see 'ADDITIONAL INFORMATION').

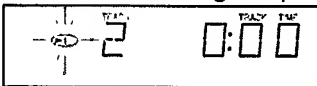
KARAOKE MODE

You can play Karaoke with CDs. Then you can use the following keys. (PLAY, STOP, NEXT, PREV., OSD, PBC, STANDBY, DISC, VOCAL FADER/MULTIPLEX, KEY CONTROL), refer to the information on the monitor. (OSD)

- Press "KARAOKE MODE" **22** on the remote control to enter the Karaoke mode. (When you play the Video CD with PBC, PBC mode will be cancelled.)
- KARAOKE LIST is displayed on the monitor.
- Press DISC **2** on the remote control to select the disc until the desired disc numbers appears on the display.
- The CD number indicator flashes.



- Enter the desired track number of the disc by using 0-9 digit keys **10** on the remote control.
- The track number lights up.



- You can reserve up to 8 tracks by same operation as above.
- Press **▶ PLAY 15** on the remote control or **▶ 9**.
- Playback start with the first reserved track.
- Press **◀◀ 14** on the remote control to cancel the previous reserved track in stop mode.
- Press **▶▶ 14** on the remote control to cancel the current playing track during play.

In the Karaoke mode, the changer works following functions:

AUTO PAUSE:

The player change to pause mode automatically after playback one track.

Press "PLAY" to resume playback.

KARAOKE RESERVE:

You can reserve up to 8 tracks in any order while playing a disc.

AUTO ERASE:

Reserved track is erased automatically when the track is played to the end so that you can reserve always up to 8 tracks.

- To cancel Karaoke mode, press "KARAOKE" key of the remote control in Karaoke mode.

VOCAL FADER/MULTIPLEX

This Video CD player has the V(ocal)-Fader/MPX (MULTI-PLEX) control feature as below.

1. MIC LEVEL control and DIGITAL ECHO control.
Connect the Microphone, then adjust the level by MIC LEVEL knob and Echo level by DIGITAL ECHO knob.
2. Press V-Fader/MPX or VOCAL FADER, MULTIPLEX on the remote control to change the audio mode for the KARAOKE by cyclic as follows:

→ LR → LL → RR → Vocal Fader →

- (1) LR(Left and Right)...Normal stereo sound
- (2) LL(Left and Left)...Monoral output only Left sound
- (3) RR(Right and Right)...Monoral output only Right sound
you can select (2) or (3) which mutes singer's voice of multiplex discs.
- (4) Vocal Fader ... The vocal part is faded with general stereo discs. With some discs, however, the singer's voice may remain audible.

CHANGING THE KEY (KEY CONTROL ♭ #)

You can change the key of the CD to suit your vocal range.

- Press KEY CONTROL # **13** or KEY CONTROL # **21** on the remote control to raise the key up to 4 steps from original.
- "HIGH1" - "HIGH4" lights up.
- Press KEY CONTROL ♭ **13** or KEY CONTROL ♭ **21** on the remote control to lower the key up to 4 steps from original.
- "LOW1" - "LOW4" lights up.

Note!

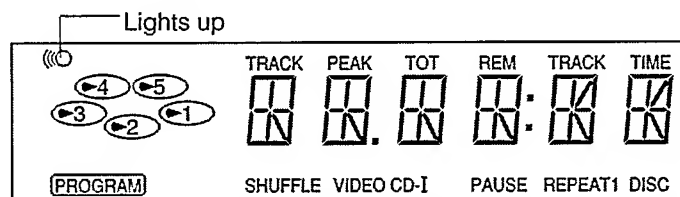
When the track ends, the key return to the original automatically.

ADDITIONAL INFORMATION

English

STAND BY

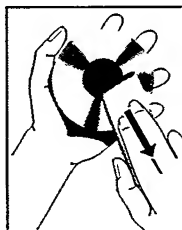
- If the CD compartment was open, it will now close.
- Any programme present will be erased.
- Press any of the following buttons to cancel the STAND BY mode: DISC SELECT 2, PLAY ► 9, STOP ■ 8, SCAN 3b, SHUFFLE 7, EDIT 3c OPEN/CLOSE 19, ◀▶ 14 or PROGRAM 3a.



MAINTENANCE

THE CDs

- Never write on the printed side of a CD.
- Do not attach any stickers to the CD.
- Keep the shiny surface of the disc clean.
Use a soft lint-free cloth and always wipe the disc in a straight line from centre to edge.
- Never use cleaning agents for conventional records.
- Detergents or abrasive cleaning agents should not be used either.



The changer

- A chamois leather slightly moistened with water is sufficient for cleaning the changer.
- Do not use cleaning agents containing alcohol, spirits, ammonia or abrasives.

Lens Dirty

This statement informs the customer the possible causes of Lens Dirty and also advises the customer to purchase the commercial cleaning Disc to clean the CD Lens.

RECYCLING

Please observe the local regulations regarding the disposal of packing materials, exhausted batteries and old equipment.

1. All redundant packaging material has been omitted. We have done our utmost to make the packaging easy separable into three mono-materials:
 - cardboard (box)
 - expandable polystyrene (buffer)
 - polyethylene (bags, protective form sheet)
2. Your set consists of materials which can be recycled if disassembled by a specialized company.
3. Do not dispose of exhausted batteries with your household waste.
4. Note: Switching off the standby mode overnight will save energy.

TECHNICAL DATA

Typical Audio Performance

Frequency range 20 Hz - 20 kHz
 Amplitude linearity ± 3 dB (20 Hz - 20 kHz)
 Dynamic range >65 dB (1 kHz)
 Signal-to-noise ratio >80 dB (1 kHz)
 Channel separation >60 dB (1 kHz)
 Total harmonic distortion 0.03% (1 kHz)
 Audio output level 2V rms
 Impedance PHONES socket 30-600 Ω
 Video 1Vpp (75 Ω load, sync neg)

Power supply

Mains voltage and frequency
 see the type plate on the rear of the changer
 Power consumption <19W
 Safety requirements IEC 65

Cabinet

Material/finish: metal and polystyrene with decorative trim
 Dimensions (w x h x d) 435 106 380 mm
 Weight 7 kg approx

Subject to modification

This Compact Disc changer complies with radio interference requirements as laid down in EC regulation.

TROUBLESHOOTING

If a fault occurs run through the points listed below before taking your changer for repair.

If the fault remains, try to clear it by **switching the changer off and on again**. If this also fails to help, consult your dealer.

Under no circumstances should you repair the changer yourself as this will invalidate the guarantee!

English

SYMPTOM	POSSIBLE CAUSE	REMEDY
– Playback does not start or interruption of playback.	<ul style="list-style-type: none"> – The current CD has been loaded upside down. – No CDs inserted. – The current CD is badly scratched or dirty. – Moisture condensation on the lens. 	<ul style="list-style-type: none"> • Reload the CD, label side up. • Insert the CDs, label side up. • Clean the CD with a soft, lint-free cloth. • Leave the CD changer in a warm environment until the moisture evaporates.
– Sound skips (at the same part).	– The current CD is dirty.	<ul style="list-style-type: none"> • Clean the CD with a soft, lint-free cloth.
– The current CD skips tracks.	– The CD is damaged or dirty.	<ul style="list-style-type: none"> • Replace or clean the CD.
– Playback does not start from the first track (of the current CD).	– PRG (program) or SHUFFLE activated.	<ul style="list-style-type: none"> • Switch off SHUFFLE or clear programme.
– No sound or bad sound.	<ul style="list-style-type: none"> – Loose or wrong connections. – Strong magnetic fields near the CD changer. 	<ul style="list-style-type: none"> • Check connections. • Find another place for the unit or change connections.
– No sound or bad sound on headphones.	<ul style="list-style-type: none"> – Level control set to - position. – Headphones plug is dirty. 	<ul style="list-style-type: none"> • Set level control. • Clean plug.
– Remote control does not function.	– Batteries are empty.	<ul style="list-style-type: none"> • Replace the batteries.
– Remote control commands are not properly received.	– The distance between remote control and Video CD player is larger than 10 meters.	<ul style="list-style-type: none"> • Use remote control receiver EM 2200/2201. • Reduce the distance between the remote control and Video CD player.
– No picture on the monitor.	<ul style="list-style-type: none"> – The cable is not connected to the monitor terminal. – The monitor is powered off. – The undefined CD DISC is used. 	<ul style="list-style-type: none"> • Connect the cable between CD player & monitor. • Switch on the monitor power. • Use the defined DISC (Video, CD, CD-I Digital Video, CD-G)

NOTES

NOTES

CDC 771V